

REMARKS

The Office Action of 11/06/2006 has been carefully considered. Reconsideration in view of the foregoing amendments and the present remarks is respectfully requested.

The allowance of claims 5, 8-14 and 16-20 is appreciatively acknowledged.

Claims 1-4, 6, 7, and 15 were rejected as being unpatentable over Gardner in view of Westergren and further in view of Hung. Claim 2 has been canceled. Claim 1 has been amended to incorporate the features of claim 4, which has been canceled. The foregoing rejection as applied to claim 4 is respectfully traversed.

With respect to claim 4, the rejection stated:

Gardner teaches...that digital synthesizer driven phase locked loop comprises, in modulating state, a first filtering performance, with digital synthesizer phase locked loop comprising, in oscillating state, a second filtering performance different from first filtering performance (see fig. 3 col. 9 lines 16-31).

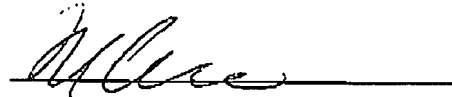
Applicant respectfully disagrees.

As recognized in the Office Action, Gardner, unlike the claimed invention, does not teach dual use of a direct digital synthesizer for generating a modulated signal for transmission and a oscillating signal (i.e., a local oscillator) for reception. Westergren was relied upon for this teaching. However, neither Gardner nor Westergren teaches or suggests the first filtering performance and second filtering performance of claim 1 as amended.

The cited passage of Gardner states in relevant part "[T]he oscillators 60 and 68 may be replaced by other types of frequency sources such as a combination of tunable phase-locked loops (PLLs) and/or direct digital synthesizers (DDSs), and a master reference frequency source...." Tunable in this context simply refers to the ability to adjust the output frequency of the frequency source. It does not imply anything about first filtering performance and second filtering performance as recited in claim 1.

Allowance of claims 1, 3 and 5-20 is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "M. Ure", is written over a horizontal line.

Michael J. Ure, Reg. 33,089

Dated: 07/06/2007